

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 5. (canceled)

6. (currently amended) A method of tuning a filter, the filter being associated with a center frequency, comprising:

configuring said filter as an oscillator;

tuning said oscillator to a desired frequency according to a tuning signal;

reconfiguring said oscillator to operate as said filter with said desired frequency as said center frequency; and

~~The method according to claim 5, further comprising the step of recording the~~
tuning signal which causes said oscillator to operate at the desired frequency.

7. (previously presented) The method according to claim 6, wherein the step of recording the tuning signal comprises sampling and holding the tuning signal.

8. (previously presented) The method according to claim 7, further comprising storing the sampled signal in a register.

9. (currently amended) The method according to ~~claim 4~~claim 6, wherein the filter circuit includes a tank circuit, ~~and the step of tuning of the oscillator comprises~~
comprising tuning the resonant frequency of the tank.

10. - 17. (canceled)

18. (original) A programmable filter comprising:

a filter circuit;

a compensation circuit; and

a memory for storing at least one digital word;

wherein the compensation circuit is operable to configure said filter circuit as an oscillator, whereby to permit said oscillator to be tuned to at least one desired frequency in accordance with a tuning signal, said tuning signal being derived from said at least one digital word, said compensation circuit further being operable to reconfigure said oscillator to operate as said filter after tuning.

19. (original) A programmable filter according to claim 18, further comprising a digital to analog converter for receiving said at least one digital word and providing said tuning signal.

20. (previously presented) The programmable filter according to claim 18, wherein the filter comprises a bandpass filter.

21. (previously presented) The programmable filter according to claim 20, wherein the memory includes a plurality of digital words, each word corresponding to a tuning signal which represents a desired center frequency for the filter.